



SUGHRUE MION ZINN MACPEAK & SEAS, PLLC

2100 Pennsylvania Avenue, NW  
Washington, DC 20037-3213

T 202.293.7060  
F 202.293.7860

www.sughrue.com

July 3, 2001

BOX PATENT APPLICATION

Commissioner for Patents

Washington, D.C. 20231

Re: Application of Marcellin ESPEILLAC and Pierre CRESPI  
PROCEDURE AND DEVICE FOR CRACKING OF HYDROCARBONS  
USING TWO SUCCESSIVE REACTION CHAMBERS  
**Assignee: TOTAL RAFFINAGE DISTRIBUTION S.A.**  
Our Ref. Q65076

Dear Sir:

Attached hereto is the application identified above including thirty-five (35) sheets of the specification, including the claims and abstract, and four (4) sheets of formal drawings. **The requisite U.S. Government filing fee, the executed Declaration and Power of Attorney and Assignment will be submitted at a later date.** Also enclosed is an Information Disclosure Statement and PTO Form 1449 with references.

The Government filing fee is calculated as follows:

Total claims	28	-	20	=	8	x	\$18.00	=	\$144.00
Independent claims	2	-	3	=		x	\$80.00	=	\$0.00
Base Fee									\$710.00
<b>TOTAL FEE</b>									<b>\$854.00</b>

Priority is claimed from July 05, 2000 based on French Application No. 0008732. The priority document are enclosed herewith.

Respectfully submitted,  
SUGHRUE, MION, ZINN,  
MACPEAK & SEAS, PLLC  
Attorneys for Applicant

By:   
Robert J. Seas, Jr.  
Registration No. 21,092

RJS:rw1